

COLLECTION SYSTEM MAINTENANCE WORKER

PURPOSE:

Maintain and repair sanitary and storm collection system.

FUNCTIONAL AREAS:

1. Operate and maintain equipment used to repair, clean, and maintain sewers, culverts, catch basins and manholes.
 - *A. Operate gasoline or diesel equipment safely and efficiently.
 - *B. Perform routine checks on vehicles and equipment prior to use.
 - *C. Perform minor routine vehicle and equipment maintenance as assigned.
 - D. Prepare and operate equipment used in sewer line maintenance, including high-pressure jet rodder, mechanical rodder, and cleaning machine.
 - E. Perform emergency repairs on vehicles and equipment in operation, if necessary.
 - *F. Prepare work sites with appropriate barricades, warning devices, and proper placement of equipment.
2. Perform routine services for storm and wastewater lift stations.
 - A. Record the electrical power consumption at lift stations.
 - B. Record and report defects or failures in collection, filtration, and conveyance of wastewater.
 - *C. Assist in the maintenance and repair of motors and pumps, and report equipment defects or failures.
 - D. Maintain bar screens, wet wells, and other sewer facilities.
 - E. Monitor the operating condition of heating and dehumidifying equipment.
3. Perform construction, maintenance, and repair of the sanitary collection system.
 - *A. Install and maintain sewers, culverts, catch basins, and manholes.
 - *B. Prepare work site by breaking street surfaces and digging and shoring trenches.
 - *C. Install pipe sections by positioning, joining, aligning, and sealing.
 - *D. Make repairs to work sites by refilling trenches; mixing, pouring, and smoothing asphalt, gravel, and other materials, and replacing street surfaces.
 - E. Perform routine daily maintenance of lift stations and other sewer facilities.
 - *F. Maintain tools and equipment in a safe and operable condition.
 - G. Maintain lift station grounds, including shoveling snow.
 - H. Perform painting and miscellaneous repairs to buildings and equipment.

JOB REQUIREMENTS

EXPERIENCE:

- ♦ A. One (1) year of verifiable experience in utility construction.

LICENSE:

- ♦ A. Possession of a valid Minnesota Class C commercial driver's license or privilege.
- ♦ B. Possession of a valid Minnesota Class B commercial driver's permit by the date of hire, with the ability to obtain the valid Minnesota unrestricted Class B commercial driver's license with tanker endorsement within six months of the date of hire.

KNOWLEDGE:

- ♦ A. Knowledge of gas- and diesel-powered equipment used in the repair and maintenance of a sanitary collection system.
- ♦ B. Knowledge of traffic control and vehicle operation regulations.
- ♦ C. Knowledge of the materials, equipment, procedures, and practices used in sewer construction and maintenance.
- ♦ D. Knowledge of sewer cleaning and repair procedures.
- ♦ E. Knowledge of trenching methods.

ABILITIES:

- ♦ A. Ability to safely operate and maintain motorized equipment according to department policies and procedures and state driving and traffic regulations.
- ♦ B. Ability to operate hand and power tools used in the construction and maintenance of a sanitary collection system.
- ♦ C. Ability to read map systems.
- ♦ D. Ability to prepare written reports.
- ♦ E. Ability to obtain a Minnesota Wastewater Collection System certification.
- ♦ F. Ability to use good judgment and work independently under limited supervision.
- ♦ G. Ability to communicate and to follow written and oral directions.
- ♦ H. Ability to establish and maintain effective working relationships with supervisors, other employees, and the public.
- ♦ I. Ability to recognize equipment breakdowns and malfunctions.
- ♦ J. Ability to identify excess clear water flows in a sanitary collection system.
- ♦ K. Ability to work outside during inclement weather.
- ♦ L. Ability to climb into and out of manholes and to work in confined spaces.
- ♦ M. Ability to remove and replace manhole covers.
- ♦ N. Ability to lift and carry supplies and equipment such as 50-pound bags of concrete products and a 90-pound jackhammer.

* Essential functions of the job

- ♦ Job requirements necessary on the first day of employment